

Abstract of the DisclosureDYNAMIC TIME SLOT  
ALLOCATION IN INTERNAL RULES  
CHECKER SCHEDULER

The invention provides a novel method of data processing in a multiport communication system having a decision making engine for controlling data forwarding between the receive ports and at least one transmit port. Data blocks representing received data packets are placed in data queues  
5 corresponding to the receive ports. The data queues are transferred one at a time in successive time slots to logic circuitry that determines the transmit ports. The time slots are dynamically allocated to the data queues in accordance with data traffic at the corresponding receive ports.

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